

10/584442

IAP2 Rec'd PCT/PTO 21 JUN 2006

IN LIEU OF PTO-SB-08.

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	Net Yet Assigned 10/584442
				Filing Date	Concurrently Herewith 7/18/06
				First Named Inventor	Jaume Anguera Pros
				Art Unit	NIA-2021
				Examiner Name	Net Yet Assigned Nguyen
Sheet	1	of	1	Attorney Docket Number	68349-00025USPX

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
HN	A1*	US-5,929,825	07-27-1999	Niu et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ³
		Country Code ⁴ -Number ⁵ -Kind Code ⁶ (if known)			
HN	B1	JP-2001-217632	08-10-2001	Matsushita Electric Ind. Co. Ltd.	✓
HN	B2	EP-0 884 796	12-16-1998	Matsushita Electric Industrial C., Ltd.	
HN	B3	EP-0 777 293	07-03-2002	Murata Manufacturing Co., Ltd.	
HN	B4	EP-1 091 445	04-11-2001	Matsushita Electric Industrial Co., Ltd.	
HN	B5	WO-01/54225	07-26-2001	Fractus, SA	
HN	B6	WO-01/11721	02-15-2001	Allgon AB	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²

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Examiner Signature		Date Considered	10/12/07
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ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

				Complete If Known	
				Application Number	10/584442
				Filing Date	July 18, 2006
				First Named Inventor	Jaume Anguera Pros
				Art Unit	N/A 2B21
				Examiner Name	Not Yet Assigned <i>Nguyen</i>
Sheet	1	of	2	Attorney Docket Number	68349-00025USPX

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
HN	A1*	US-6,166,694	12-26-2000	Ying et al.
	A2*	US-6,111,545	08-29-2000	Saari et al.
	A3*	US-6,112,102	08-29-2000	Zhinong et al.
	A4*	US-6,329,962-A1	12-11-2001	Ying et al.
	A5*	US-20010002823-A1	06-07-2001	YING
	A6*	US-20020080088-A1	06-27-2002	Boyle
	A7*	US-20020175866-A1	11-28-2002	Gram
	A8*	US-6,104,349	08-15-2000	Cohen
	A9*	US-6,307,511	10-23-2001	Ying et al.
	A10*	US-20020000940-A1	01-03-2002	MOREN et al.
	A11*	US-6,337,663	01-08-2002	Chi-Ming et al.
	A12*	US-6,664,930-A1	12-16-2003	Wen et al.
	A13*	US-5,870,066	02-09-1999	Asakura et al.
	A14*	US-5,963,871	10-05-1999	Zhinong et al.
	A15*	US-20020190904-A1	12-19-2002	Cohen
	A16*	US-20040027295-A1	02-12-2004	Huber et al.
	A17*	US-20040095289-A1	05-20-2004	Bae et al.
	A18*	US-6,445,352	09-03-2002	Cohen
	A19*	US-20020044090-A1	04-18-2002	Bahr et al.
	A20	US-6,130,651	10-10-2000	Yanagisawa et al.
	A21	US-6,459,413-A1	10-01-2002	Tseng et al.
	A22	US-6,864,854-A1	03-08-2005	Dai et al.
	A23	US-5,929,825	07-27-1999	Niu et al.
	A24	US-6,140,975	10-31-2000	Cohen
	A25	US-2006/0033668	02-16-2006	Ryu
	A26	US-2006/0170610	08-03-2006	Rabinovich et al.
HN	A27	US-2005/0237244	10-27-2005	Annabi et al.

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁴
		Country Code ³ -Number-Kind Code ⁴ (if known)			
HN	B1	GB-2 361 584	10-24-2001	Motorola Limited	
	B2	WO-00/77884	12-21-2000	Harada Industries (Europe) Limited	
	B3	WO-2004/0025778	03-25-2004	Fractus S.A.	
	B4	EP-0 986 130	03-15-2000	Siemens AG	✓
	B5	EP-1 237 224	09-04-2002	Siemens AG	✓
	B6	EP-1 198 027	04-17-2002	The Furukawa Electric Co., Ltd.	
	B7	WO-01/48861	07-05-2001	Allgon AB	
	B8	WO-02/35646	05-02-2002	Fractus-Ficosa International, UTE	
	B9	WO-99/56345	11-04-1999	Intenna Technology AB	
	B10	WO-96/38881	12-05-1996	Ericsson Inc.	
	B11	WO-01/26182	04-12-2001	Smarterq Wireless AB	
HN	B12	WO-01/54225	07-26-2001	Fractus SA	

Examiner Signature	<i>[Signature]</i>	Date Considered	10/12/07
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Substitute for form 1449/PTO				Complete If Known	
				Application Number	10/584442
				Filing Date	July 18, 2006
				First Named Inventor	Jaume Anguera Pros
				Art Unit	AIA 2021
				Examiner Name	Not Yet Assigned <i>Doyen</i>
Sheet	2	of	2	Attorney Docket Number	68349-00025USPX

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HN	C1	C. Puente et al., "Small But Long Koch Fractal Monopole", Electronics Letters, January 8, 1998, vol. 34, no. 1, pages 9-10	
HN	C2	Carles Puente Ballestra et al., "The Koch Monopole: A Small Fractal Antenna", IEEE Transactions on Antennas and Propagation, vol. 48, no. 11, November 2000, pages 1773-1781	
HN	C3	Nathan Cohen, "Fractal Antenna Applications in Wireless Telecommunications", IEEE, 1997, pages 43-49	
HN	C4	C. Puente et al., "Multiband Properties of a Fractal Tree Antenna Generated by Electrochemical Deposition", Electronics Letters, December 5, 1996, vol. 32, no. 25, pages 2298-2299	

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		Number-Kind Code ³ (<i>if known</i>)			
TH	A1*	US-6,337,667	01-08-2002	Ayala et al.	
TH	A2*	US-20010050637-A1	12-13-2001	Aoyama et al.	
TH	A3*	US-20030210187-A1	11-13-2003	Wong et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)			
TH	B1	EP-1367671	12-03-2003	NGK Spark Plug Co., Ltd.	

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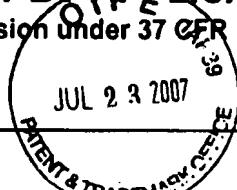
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Not for submission under 37 CFR 1.99)</small>		Application Number	10584442
		Filing Date	2006-07-18
		First Named Inventor	JAUME ANGUERA PROS
		Art Unit	2821
		Examiner Name	NA Nguyen
		Attorney Docket Number	68349-00025USPX



Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
HN	1	20050259031		2005-11-24	SANZ ET AL.	

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
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	1		<input type="checkbox"/>

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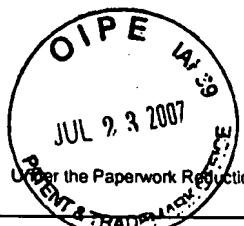
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Examiner Signature		Date Considered	10/12/07
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⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	101584442
	Filing Date	7/18/06
	First Named Inventor	Juanne Anguera Prox
	Art Unit	2821
	Examiner Name	Nguyen
Attorney Docket Number	68349-00025USPX	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
HN	1	6343208	B1	2002-01-29	YING	
HN	2	6614400	B2	2003-10-02	EGOROV	
HN	3	5248988		1993-09-28	MAKINO	
HN	4	5457469		1995-10-10	DIAMOND	
HN	5	5990838		1999-11-23	BURNS	
HN	6	5986610		1999-11-16	MIRON	
HN	7	6266023	B1	2001-07-24	NAGY	
HN	8	6801164	B2	2004-10-05	BIT-BABIK	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)



Application Number	10584442
Filing Date	2006-07-18
First Named Inventor	JAUME ANGUERA PROS
Art Unit	2821
Examiner Name	NA Nguyen
Attorney Docket Number	68349-00025USPX

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
HN	1	4389651		1983-06-21	TOMASKY	
HN	2	5337065		1994-08-09	BONNET ET AL.	
HN	3	5943020		1999-08-24	LIEBENDOERFER ET AL.	
HN	4	6271794		2001-08-07	GEERAERT	
HN	5	6822611		2004-11-23	KONTOGEOORGAKIS ET AL	
HN	6	6963310		2005-11-08	HORITA ET AL.	
HN	7	7068230		2006-06-27	QI ET AL.	

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U.S.PATENT APPLICATION PUBLICATIONS



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number	10/584 442
		Filing Date	7/18/06
		First Named Inventor	Juanne Anguera Proa
		Art Unit	2821
		Examiner Name	Nguyen
		Attorney Docket Number	68349 - 00025 US PX

HN	9	6281846	B1	2001-08-28	PUENTE	
HN	10	4123756		1978-10-31	NAGATA	
HN	11	5572223		1996-11-05	PHILLIPS	
HN	12	6384790	B2	2002-05-07	DISHART	
HN	13	7126537	B2	2006-10-24	COHEN	
HN	14	7069043	B2	2006-06-27	SAWAMURA	

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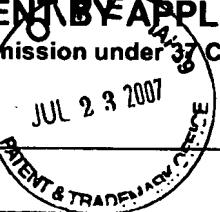
U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
HN	1	20020140615	A1	2002-10-03	PUENTE BALIARDA	
HN	2	20010050637	A1	2001-12-13	AOYAMA	

If you wish to add additional U.S. Published Application citation information please click the Add button.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Not for submission under 37 CFR 1.99)</small>		Application Number	10/584 442
		Filing Date	7/18/06
		First Named Inventor	Jasme Anwera Pro
		Art Unit	2821
		Examiner Name	Nguyen
		Attorney Docket Number	68349-00025 US PX



 JUL 23 2007
 PATENT & TRADEMARK OFFICE

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
HJ	1	2004042868	WO	A1	2004-05-21	FRACTUS		<input type="checkbox"/>
HJ	2	1367671	EP	A2	2003-12-03	NGK SPARK PLUG CO. LTD.		<input type="checkbox"/>
HJ	3	03034538	WO	A1	2003-04-24	FRACTUS		<input type="checkbox"/>
HJ	4	0938158	EP	A2	1999-02-17	NOKIA MOBILE PHONES LTD.		<input type="checkbox"/>
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HJ	6	2004001894	WO	A1	2003-12-31	FRACTUS SA		<input type="checkbox"/>
HJ	7	02078123	WO	A1	2002-10-03	TELEFONAKTIEBOLAG ET LM ERICSSON		<input type="checkbox"/>
HJ	8	2001332924	JP		2001-11-30	SHARP KK		<input type="checkbox"/>
HJ	9	10247808	JP		1998-09-14	MURATA MANUFACTURING		<input type="checkbox"/>
HJ	10	2002050919	JP		2002-02-15	TAIYO YUDEN		<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Not for submission under 37 CFR 1.99)</small>		Application Number	10/584 442
		Filing Date	7/18/06
		First Named Inventor	Jawne Augeran Prox
		Art Unit	2821
		Examiner Name	Nguyen
		Attorney Docket Number	68349 - 000 25 USP X

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HN	11	0938158	EP		1999-08-25	NOKIA MOBILE PHONES LTD	<input type="checkbox"/>
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NON-PATENT LITERATURE DOCUMENTS

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HN	1	PUENTE, Fractal antennas, Universitat Politècnica de Catalunya, 1997	<input type="checkbox"/>
HN	2	PUENTE, Multiband fractal antennas and arrays, Fractals engineering - from theory to industrial applications, 1994	<input type="checkbox"/>
HN	3	NAKANO et al. Realization of dual-frequency and wide-band VSWR performances using normal-mode helical and inverted-F antennas, IEEE Transactions on Antennas and Propagation, 1998, vol. 46, No. 6 <i>No date avail</i>	<input type="checkbox"/>
HN	4	MORISHITA et al., Design concept of antennas for small mobile terminals and the future perspective, IEEE Antennas and Propagation Magazine, 2002	<input type="checkbox"/>
HN	5	DOU et al, Small broadband stacked planar monopole, Wiley Interscience, 2000	<input type="checkbox"/>
HN	6	STRUGATSKY, Multimode multiband antenna. Tactical communications: Technology in transition. Proceedings of the tactical communications conference, 1992	<input type="checkbox"/>
HN	7	SZKIPALA, Fractal antennas, TEAT, 2001	<input type="checkbox"/>

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		First Named Inventor	Jeanne Anderson PROS
		Art Unit	2821
		Examiner Name	Pegoyan
		Attorney Docket Number	68349-00025 USPX

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AUG 15 2007	Application Number	10584442
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	First Named Inventor	JAUME ANGUERA PROS
	Art Unit	2821
	Examiner Name	NOT YET ASSIGNED Nguyen
	Attorney Docket Number	68349-00025USPX

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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HJ	1	0235652	WO	A1	2002-05-02	ACE TECHNOLOGY		<input type="checkbox"/>
HJ	2	2005076409	WO	A1	2005-08-18	FRACTUS		<input type="checkbox"/>

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
+N	1	WONG, Planar antennas for wireless communications, John Wiley & Sons, 2003	<input type="checkbox"/>
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	Filing Date	2006-07-18
	First Named Inventor	JAUME ANGUERA PROS
	Art Unit	2821
	Examiner Name	Not Yet Assigned 2B21
	Attorney Docket Number	68349-00025USPX

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
HN	1	6950071	B2	2005-09-27	WEN	

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
HN	1	20040140938	A1	2004-07-22	KADAMBI	
HN	2	20020149527	A1	2002-10-17	WEN	
HN	3	20040004574	A1	2004-01-08	WEN	

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	1							<input type="checkbox"/>

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SEARCH REPORT

Application Number	10584442
Filing Date	2006-07-18
First Named Inventor	JAUME ANGUERA PROS
Art Unit	2821
Examiner Name	Not Yet Assigned Nguyen
Attorney Docket Number	68349-00025USPX

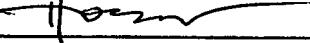
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HN	1	WONG, Planar antennas for wireless communications, Wiley Interscience, 2003	<input type="checkbox"/>

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